LISTING OF CLAIMS

1. (Original): A method of processing filamentary nanocarbon, comprising the steps of:
providing a quantity of filamentary nanocarbon;
providing a supply of high pressure, near-supercritical CO2;
providing a pressure vessel;
installing said filamentary nanocarbon into said pressure vessel;
introducing said near-supercritical CO2 into said pressure vessel; and,
collecting said filamentary nanocarbon while releasing said near-supercritical CO2 from said pressure vessel.

2. (Original): The method of claim 1 wherein said collecting step is preceded by the step of agitating the mixture of said near-supercritical CO2 and said filamentary nanocarbon.

3. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of surfactant into said pressure vessel.

4. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of acid into said pressure vessel.

5. (Original): The method of claim 1 wherein said near-supercritical CO2 includes an acid sufficient for metal catalyst removal.

6. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of co-solvent into said pressure vessel.

7. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of polymer to be pre-impregnated into the filamentary nanocarbon into said pressure vessel.

8. (Canceled)

9. (Canceled)

10. (Original): A method of processing filamentary nanocarbon, comprising the steps of:
providing a quantity of filamentary nanocarbon;
providing a supply of high pressure, near-supercritical CO2;
providing a pressure vessel;
installing said filamentary nanocarbon into said pressure vessel;
introducing said near-supercritical CO2 into said pressure vessel; and,
releasing said near-supercritical CO2 and said filamentary nanocarbon from said pressure vessel by spraying through a nozzle.

11. (Original): The method of claim 10 wherein said releasing step is preceded by the step of agitating the mixture of said near-supercritical CO2 and said filamentary nanocarbon.

12. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of surfactant into said pressure vessel.

13. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of acid into said pressure vessel.

14. (Original): The method of claim 10 wherein said near-supercritical CO2 includes an acid sufficient for metal catalyst removal.

15. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of co-solvent into said pressure vessel.

16. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of polymer to be pre-impregnated into the filamentary nanocarbon into said pressure vessel.

17. (Canceled)

18. (Canceled)